09/421,416

PTO/SB/96 (12-05)
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Google Inc.

Application No./Patent
No./Control No.:   6,922,699   Filed/Issue Date: July 26, 2005

Entitled: SYSTEM AND METHOD FOR QUANTITATIVELY REPRESENTING DATA OBJECTS IN VECTOR SPACE

Google Inc.   , a   Corporation
(Name of Assignee)   (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.   [x]   the assignee of the entire right, title, and interest; or

2.   [ ]   an assignee of less than the entire right, title and interest.
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

A.   [ ]   An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel , Frame , or a true copy of the original assignment is attached.

OR

B.   [X]   A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1.   From: Schuetze et al.   To: Xerox Corporation
The document was recorded in the United States Patent and Trademark Office at
Reel   010587   , Frame   0856   , or for which a copy thereof is attached.

2.   From: Xerox Corporation   To: Google Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel   _____ , Frame _____ , or for which a copy thereof is attached.

3.   From: _____   To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel   _____ , Frame _____ , or for which a copy thereof is attached.

[ ]   Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature   February 9, 2012
Date

Joshua E. Garfield   908.654.5000
Printed or Typed Name   Telephone Number
Attorney
Title

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

[X] Practitioners associated with the Customer Number: 78792

OR

[ ] Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

[X] The address associated with Customer Number: 78792

OR

[ ] Firm or Individual Name

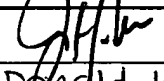| Address					
City		State		Zip	
Country		Telephone		Email	

Assignee Name and Address:

Google Inc.
1600 Amphitheatre Parkway
Mountain View, California 94043

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date November 30, 2011
Name	Donald Harrison	Telephone 650 743 0260
Title	VP, Deputy General Counsel, Assistant Secretary	

PATENT ASSIGNMENT

WHEREAS, Xerox Corporation, a New York corporation, with offices at 45 Glover Avenue, Norwalk, CT 06856 ("Seller") is the sole and exclusive owner of those certain patents and applications set forth on Attachment 1 hereto (referred to as the "Patents"); and

WHEREAS, Google Inc., a Delaware corporation with a principal place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043 ("Purchaser") is desirous of acquiring the right, title and interest in, to and under the said Patents;

NOW, THEREFORE, for one US dollar ($1.00) and other good and valuable consideration the sufficiency of which is acknowledged by the parties:

Seller does hereby irrevocably and perpetually assign, transfer and convey to Purchaser all of Seller's right, title and interest throughout the world in and to the Patents, all of which are to be held and enjoyed by Purchaser for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by Seller, if this assignment, transfer and conveyance had not been made; together with all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents, including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind for past, current and future infringement, and all rights to collect royalties or other payments under or on account of any of the Patents, all for Purchaser's own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives.

Seller hereby authorizes and requests the Commissioner of Patents and Trademarks, or an equivalent officer in any jurisdiction in which a Patent may have issued, to issue and assign as applicable any and all Letters Patent on said inventions to Purchaser as assignee of the entire interest, and hereby covenants that Seller has full right to convey the entire interest herein assigned, and that, except as otherwise explicitly agreed and acknowledged in writing between the parties, Seller has not executed, and will not execute, any agreements in conflict therewith.

XEROX CORPORATION

Signature: _David J Arthur_

Name: __DAVID J. ARTHUR__

Title: __ASSOC. GEN. PATENT COUNSEL__

Date: __2011 NOVEMBER 10__

Notarized: __Karen A Messina__

GOOGLE INC.

Signature: _____

Name: _____

Title: _____

Date: _____

Notarized: _____

KAREN A. MESSINA
Notary Public, State of New York
No. 01ME6127814
Qualified in Monroe County
Commission Expires __5-31-2013__

PATENT ASSIGNMENT

WHEREAS, Xerox Corporation, a New York corporation, with offices at 45 Glover Avenue, Norwalk, CT 06856 ("Seller") is the sole and exclusive owner of those certain patents and applications set forth on Attachment 1 hereto (referred to as the "Patents"); and

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NOW, THEREFORE, for one US dollar ($1.00) and other good and valuable consideration the sufficiency of which is acknowledged by the parties:

Seller does hereby irrevocably and perpetually assign, transfer and convey to Purchaser all of Seller's right, title and interest throughout the world in and to the Patents, all of which are to be held and enjoyed by Purchaser for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by Seller, if this assignment, transfer and conveyance had not been made; together with all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents, including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind for past, current and future infringement, and all rights to collect royalties or other payments under or on account of any of the Patents, all for Purchaser's own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives.

Seller hereby authorizes and requests the Commissioner of Patents and Trademarks, or an equivalent officer in any jurisdiction in which a Patent may have issued, to issue and assign as applicable any and all Letters Patent on said inventions to Purchaser as assignee of the entire interest, and hereby covenants that Seller has full right to convey the entire interest herein assigned, and that, except as otherwise explicitly agreed and acknowledged in writing between the parties, Seller has not executed, and will not execute, any agreements in conflict therewith.

XEROX CORPORATION

Signature: _____

Name: _____
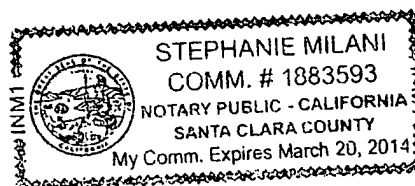
Title: _____

Date: _____

Notarized: _____

GOOGLE INC.

Signature: _____

Name: _____

Title: _____

Date: _____

Notarized: _____

ATTACHMENT 1

ASSIGNED PATENTS

Patent #	Application #	Country	Title
	04017992.1	EP (Designated in DE, FR, GB)	System And Method For Measuring And Quantizing Document Quality
4558403		JP	System And Method For Measuring And Quantizing Document Quality
7092552		US	System And Method For Measuring And Quantizing Document Quality
	04017993.9	EP (Designated in DE, FR, GB)	System And Method For Measuring And Quantizing Document Quality
4619719		JP	System And Method For Measuring And Quantizing Document Quality
7035438		US	System And Method For Measuring And Quantizing Document Quality
	04018011.9	EP (Designated in DE, FR, GB)	System And Method For Measuring And Quantizing Document Quality
4619720		JP	System And Method For Measuring And Quantizing Document Quality
7072495		US	System And Method For Measuring And Quantizing Document Quality
	04018013.5	EP (Designated in DE, FR, GB)	System And Method For Measuring And Quantizing Document Quality
4619721		JP	System And Method For Measuring And Quantizing Document Quality
7092551		US	System And Method For Measuring And Quantizing Document Quality
	04018012.7	EP (Designated in DE, FR, GB)	System And Method For Measuring And Quantizing Document Quality
4624026		JP	System And Method For Measuring And Quantizing Document Quality
7095877		US	System And Method For Measuring And Quantizing Document Quality
	12/719332	US	Computerized Action Tool For Managing Print Parameters, Queuing Actions And Archiving Actions For A Document Output Management System
7698650		US	Computerized Action Tool For Managing Print Parameters, Queuing Actions And Archiving Actions For A Document Output Management System
3240212		JP	Conversion Of Queries To Monotonically Increasing Increments Form To Continuously Query A Append Only Database

Patent #	Application #	Country	Title
5495600		US	Conversion Of Queries To Monotonically Increasing Increments Form To Continuously Query A Append Only Database
3534911		JP	Feature Library And Stored Customized Control Interfaces
5604860		US	Feature Library And Stored Customized Control Interfaces
5515488		US	Method And Apparatus For Concurrent Graphical Visualization Of A Database Search And Its Search History
69526545.8		DE	Method And Apparatus For Visualization Of Database Search Results
0694829		FR	Method And Apparatus For Visualization Of Database Search Results
0694829		GB	Method And Apparatus For Visualization Of Database Search Results
3754111		JP	Method And Apparatus For Visualization Of Database Search Results
5546529		US	Method And Apparatus For Visualization Of Database Search Results
5657450		US	Method And Apparatus For Time Estimation And Progress Feedback On Distal Access Operations
5845288		US	Automated System For Indexing Graphical Documents Having Associated Text Labels
PI98008501		BR	Shared-Data Environment In Which Each File Has Independent Security Properties
69835845.7		DE	Shared-Data Environment In Which Each File Has Independent Security Properties
0863453		FR	Shared-Data Environment In Which Each File Has Independent Security Properties
0863453		GB	Shared-Data Environment In Which Each File Has Independent Security Properties
4008089		JP	Shared-Data Environment In Which Each File Has Independent Security Properties
5930801		US	Shared-Data Environment In Which Each File Has Independent Security Properties
6061715		US	Apparatus And Method For Loading And Reloading Html Pages Having Cacheable And Non-Cacheable Portions
6094662		US	Apparatus And Method For Loading And Reloading Html Pages
	99107559.9	EP (Designated in DE, FR, GB)	Usage Based Methods Of Traversing And Displaying Generalized Graph Structures

Patent #	Application #	Country	Title
4355049		JP	Usage Based Methods Of Traversing And Displaying Generalized Graph Structures
6509898		US	Usage Based Methods Of Traversing And Displaying Generalized Graph Structures
0950962		DE	Methods For Visualizing Transformations Among Related Series Of Graphs
0950962		FR	Methods For Visualizing Transformations Among Related Series Of Graphs
0950962		GB	Methods For Visualizing Transformations Among Related Series Of Graphs
4355050		JP	Methods For Visualizing Transformations Among Related Series Of Graphs
6369819		US	Methods For Visualizing Transformations Among Related Series Of Graphs
6308179		US	User Level Controlled Mechanism Inter-Positioned In A Read/Write Path Of A Property-Based Document Management System
6266670		US	User Level Accessing Of Low-Level Computer System Operations
6269380		US	Property-Based Mechanism For Flexibility Supporting Front-End And Back-End Components Having Different Communication Protocols
6675356		US	Distributed Document-Based Calendaring System
6408257		US	Augmented-Reality Display Method And System
6470269		US	Method For Providing Time Discrimination In The World Wide Web
6922699		US	System And Method For Quantitatively Representing Data Objects In Vector Space
6941321		US	System And Method For Identifying Similarities Among Objects In A Collection
6493702		US	System And Method For Searching And Recommending Documents In A Collection Using Shared Bookmarks
6499034		US	Bristlelines: A Visualization For Discovery Relationships Between Sorted Web Documents And Their Usage Data
6370538		US	Direct Manipulation Interface For Document Properties
60029914.7		DE	System And Method For Caching
1111517		FR	System And Method For Caching
1111517		GB	System And Method For Caching
4662618		JP	System And Method For Caching

Patent #	Application #	Country	Title
6631451		US	System And Method For Caching
6415368		US	System And Method For Caching
60036363.5		DE	Method For Monitoring And Encouraging Community Activity In A Networked Environment
1126679		FR	Method For Monitoring And Encouraging Community Activity In A Networked Environment
1126679		GB	Method For Monitoring And Encouraging Community Activity In A Networked Environment
6742032		US	Method For Monitoring And Encouraging Community Activity In A Networked Environment
6873430		US	Knowledge Management System And Method
7107526		US	Transparent Injection Of Specific Content Into Web Pages Viewed While Browsing
7017110		US	System And Method For Inferring User Information Need In A Hypermedia Linked Document Collection
3936862		JP	Recommender System And Method
7386547		US	Recommender System And Method
7440943		US	Recommender System And Method
	01108054.6	EP (Designated in DE, FR, GB)	System And Method For Predicting Web User Flow By Determining Association Strength Of Hypermedia Links
2001-085101		JP	System And Method For Predicting Web User Flow By Determining Association Strength Of Hypermedia Links
6671711		US	System And Method For Predicting Web User Flow By Determining Association Strength Of Hypermedia Links
6990468		US	System, Method And Article Of Manufacture For Cryptoserver-Based Auction
60110193.6		DE	System And Method For Analyzing Eyetracker Data
1213642		FR	System And Method For Analyzing Eyetracker Data
1213642		GB	System And Method For Analyzing Eyetracker Data
4063532		JP	System And Method For Analyzing Eyetracker Data
6601021		US	System And Method For Analyzing Eyetracker Data
	02007426.6	EP (Designated	Systems And Methods For Predicting Usage Of A Web Site Using Proximal

Patent #	Application #	Country	Title
		in DE, FR, GB)	Cues
4068373		JP	Systems And Methods For Predicting Usage Of A Web Site Using Proximal Cues
6907459		US	Systems And Methods For Predicting Usage Of A Web Site Using Proximal Cues
7107525		US	Method For Constraint-Based Document Generation
7010746		US	System And Method For Constraint-Based Document Generation
	04018014.3	EP (Designated in DE, FR, GB)	System And Method For Measuring And Quantizing Document Quality
4624027		JP	System And Method For Measuring And Quantizing Document Quality
7024022		US	System And Method For Measuring And Quantizing Document Quality
7054651		US	A System And Method For Providing A Site Specific Location Of A Device
	04017994.7	EP (Designated in DE, FR, GB)	Method For Measuring And Quantizing Document Quality
4558404		JP	Method For Measuring And Quantizing Document Quality
7130451		US	System And Method For Measuring And Quantizing Document Quality
7136511		US	System And Method For Measuring And Quantizing Document Quality
7269276		US	Method For Measuring And Quantizing Document Quality
7266222		US	Method For Measuring And Quantizing Document Quality
7116802		US	System And Method For Measuring And Quantizing Document Quality
7130450		US	System And Method For Measuring And Quantizing Document Quality
7305107		US	Method For Measuring And Quantizing Document Quality
7283648		US	Method For Measuring And Quantizing Document Quality
7308116		US	Method For Measuring And Quantizing Document Quality
7260245		US	Method For Measuring And Quantizing Document Quality
7277560		US	Method For Measuring And Quantizing Document Quality
7280675		US	Method For Measuring And Quantizing Document Quality
7035439		US	System And Method For Measuring And Quantizing Document Quality

Patent #	Application #	Country	Title
	11/554498	US	Multi-Versioned Documents And Method For Creation And Use Thereof
7171618		US	Multi-Versioned Documents And Method For Creation And Use Thereof
7391885		US	Method For Determining Overall Effectiveness Of A Document
6493731		US	Document Management System For Recording And Viewing The History Of Document Use
	PI03024555	BR	System And Method For Constraint-Based Document Generation
2435731		CA	System And Method For Constraint-Based Document Generation
	03016826.4	EP (Designated in DE, FR, GB)	System And Method For Constraint-Based Document Generation
241155		MX	System And Method For Constraint-Based Document Generation
60044220.9		DE	Multi-Modal Information Access
	10150973.5	EP (Designated in DE, FR, GB)	Multi-Modal Information Access
	10150972.7	EP (Designated in DE, FR, GB)	Multi-Modal Information Access
	10150975	EP (Designated in DE, FR, GB)	Multi-Modal Information Access
	10183652.6	EP (Designated in DE, FR, GB)	Multi-Modal Information Access
1024437		FR	Multi-Modal Information Access
1024437		GB	Multi-Modal Information Access
	2010-140220	JP	Multi-Modal Information Access
	2010-140221	JP	Multi-Modal Information Access
	2010-140222	JP	Multi-Modal Information Access
4768073		JP	Multi-Modal Information Access
4768074		JP	Multi-Modal Information Access
4587512		JP	Multi-Modal Information Access
3768258		JP	Document Job Key To Tailor Multifunctional User Interfaces
5630079		US	Document Job Key To Tailor Multifunctional User Interfaces

Patent #	Application #	Country	Title
5970490		US	Integration Platform For Heterogeneous Databases
6020973		US	Centralized Print Server For Interfacing One Or More Network Clients With A Plurality Of Printing Devices
4308342		JP	Method Of Indexing Words In Handwritten Document Images Using Image Hash Tables
5953451		US	Method Of Indexing Words In Handwritten Document Images Using Image Hash Tables
6026436		US	System For Cloning Document Processing Related Settings In A Document Processing System
6321232		US	Method For Creating A Geometric Hash Tree In A Document Processing System
4577931		JP	System Of Indexing A Two Dimensional Pattern In A Document Drawing
6621941		US	System Of Indexing A Two Dimensional Pattern In A Document Drawing
	PI0001370-6	BR	Remote Feature Delivery For Output Devices
255752		MX	Remote Feature Delivery For Output Devices
	10/165702	US	Remote Feature Delivery For Output Devices
	11/674865	US	Remote Feature Delivery For Output Devices
6424950		US	Remote Feature Delivery For Output Devices
6327590		US	System And Method For Collaborative Ranking Of Search Results Employing User And Group Profiles Derived From Document Collection Content Analysis
6389372		US	System And Method For Bootstrapping A Collaborative Filtering System
6321179		US	System And Method For Using Noisy Collaborative Filtering To Rank And Present Items
	00307396.2	EP (Designated in DE, FR, GB)	Decentralized Network System
6671737		US	Decentralized Network System
	01310306.4	EP (Designated in DE, FR, GB)	Electronic Board System
7287024		US	Flexible Rule-Based Recommender System For Use With An Electronic Board System
6964022		US	Electronic Board System

Patent #	Application #	Country	Title
	PI01019775	BR	System And Method For Caching Of Reusable Objects
2347221		CA	System And Method For Caching Of Reusable Objects
230956		MX	System And Method For Caching Of Reusable Objects
6662270		US	System And Method For Caching Of Reusable Objects
6741745		US	Method And Apparatus For Formatting Ocr Text
7200615		US	Viewing Tabular Data On Small Handheld Displays And Mobile Phones
7240055		US	Method And System For Expertise Mapping Based On User Activity In Recommender Systems
69735922		DE	Workflow Represented By Grammar Rules
0843271		FR	Workflow Represented By Grammar Rules
0843271		GB	Workflow Represented By Grammar Rules
6725428		US	Systems And Methods Providing Flexible Representations Of Work
6601102		US	Secure Token-Based Document Server
6397261		US	Secure Token-Based Document Server
6487189		US	Mobile Email Document Transaction Service
6430601		US	Mobile Document Paging Service
	99125213.1	EP (Designated in DE, FR, GB)	Automatic Language Identification Using Both N-Gram And Word Information
4413349		JP	Automatic Language Identification Using Both N-Gram And Word Information
6167369		US	Automatic Language Identification Using Both N-Gram And Word Information
PI9801021-2		BR	Centralized Print Server For Interfacing One Or More Network·Clients With A Plurality Of Printing Devices
4119002		JP	Centralized Print Server For Interfacing One Or More Network Clients With A Plurality Of Printing Devices
5974234		US	Centralized Print Server For Interfacing One Or More Network Clients With A Plurality Of Printing Devices
6728752		US	System And Method For Information Browsing Using Multi-Modal Features
6567797		US	System And Method For Providing Recommendations Based On Multi-Modal User Clusters

Patent #	Application #	Country	Title
6598054		US	System And Method For Clustering Data Objects In A Collection
6564202		US	System And Method For Visually Representing The Contents Of A Multiple Data Object Cluster
5717439		US	Hierarchy Of Saving And Retrieving Control Templates